

DEPARTMENT OF NATURAL RESOURCES  
BUILDING RESTROOM SEWER LINE UPGRADES

1594 WEST NORTH TEMPLE  
SALT LAKE CITY, UTAH 84114-6100  
DFCM PROJECT NO. 07213500



State of Utah— Department of Administrative Services

**DIVISION OF FACILITIES CONSTRUCTION  
AND MANAGEMENT**

4110 State Office Building / Salt Lake City, Utah 84114 / 538–3018

NOVEMBER 29th, 2007

**State of Utah**

Department of Administrative Services

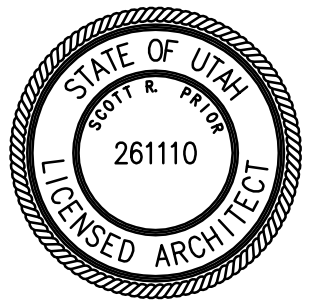
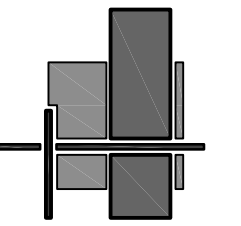


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CREATED BY: P+A architects

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architecture planning design

CONSULTANT: xyz engineering

PROJECT TITLE:

Department of  
Natural Resources

Building Restroom  
Sewer Line Upgrades

Department of  
Natural Resources  
1594 West North Temple  
Salt Lake City  
Utah 84114-6100

| MARK | DATE | DESCRIPTION |
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SHEET TITLE

INDEX SHEET

SHEET NUMBER

**A-G1000**

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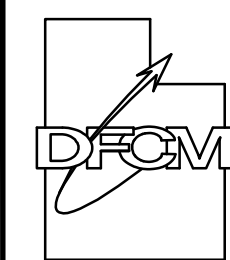
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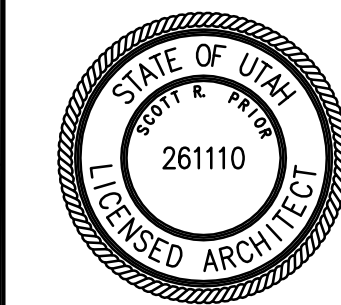
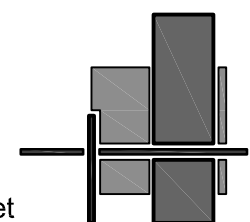
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architecture planning design

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## ABBREVIATIONS

Reference to materials or methods have been made on the drawings in accordance with the following abbreviations:

|        |   |          |                                      |
|--------|---|----------|--------------------------------------|
| #      | NUMBER                                    | GWB.     | GYPSUM WALL BOARD                    |
| .      | FEET                                      | GYP. BD. | GYPSUM WALL BOARD                    |
| "      | INCHES                                    | HC.      | HANDICAPPED                          |
| &      | AND                                       | HDW.     | HARDWARE                             |
| Ø      | DIAMETER                                  | H.M.     | HOLLOW METAL                         |
| ADJ.   | ADJUSTABLE                                | HORIZ.   | HORIZONTAL                           |
| AFF    | ABOVE FINISH FLOOR                        | HR.      | HOUR                                 |
| ALUM   | ALUMINUM                                  | HT.      | HEIGHT                               |
| ASTM   | AMERICAN SOCIETY FOR TESTING MATERIALS    | HVAC     | HEATING/VENTILATION/AIR CONDITIONING |
| ATS    | AUTOMATIC TRANSFER SWITCH                 | HYD      | HYDRANT                              |
| BD     | BOARD                                     | I.D.     | INSIDE DIAMETER                      |
| BITUM. | BITUMINOUS                                | INFO     | INFORMATION                          |
| BLDG   | BUILDING                                  | INSUL.   | INSULATION                           |
| B.M.   | BENCHMARK                                 | LAV.     | LAVATORY                             |
| B.O.   | BOTTOM OF                                 | LT.      | LIGHT                                |
| BRG.   | BEARING                                   | MATL.    | MATERIAL                             |
| BTWN.  | BETWEEN                                   | MAX.     | MAXIMUM                              |
| CER.   | CERAMIC                                   | MECH.    | MECHANICAL                           |
| CJ     | CONSTRUCTION JOINT                        | MFR.     | MANUFACTURER                         |
| CLG.   | CEILING                                   | MIN.     | MINIMUM                              |
| CLR.   | CLEAR                                     | MISC.    | MISCELLANEOUS                        |
| CMU    | CONCRETE MASONRY UNIT                     | M.O.     | MASONRY OPENING                      |
| COL.   | COLUMN                                    | MTL.     | METAL                                |
| CONC.  | CONCRETE                                  | NIC      | NOT IN CONTRACT                      |
| CONT.  | CONTINUOUS                                | NO.      | NUMBER                               |
| CONST. | CONSTRUCTION                              | N.T.S.   | NOT TO SCALE                         |
| COORD. | COORDINATE                                | O.C.     | ON CENTER                            |
| CTJ    | CONSTRUCTION JOINT                        | O.D.     | OUTSIDE DIAMETER                     |
| DBL.   | DOUBLE                                    | O.H.     | OVERHEAD                             |
| DPW    | DIRECTOR OF PUBLIC WORKS                  | OPP.     | OPPOSITE                             |
| DIA.   | DIAMETER                                  | PART.    | PARTITION                            |
| DPG    | DUGWAY PROVING GROUND                     | PERP.    | PERPENDICULAR                        |
| DTL.   | DETAIL                                    | PL.      | PLATE                                |
| DWGS.  | DRAWINGS                                  | PNTD.    | PAINTED                              |
| E.A.   | EACH                                      | PSI      | POUNDS PER SQUARE INCH               |
| EJ     | EXPANSION JOINT                           | R.D.     | ROOF DRAIN                           |
| ELEV.  | ELEVATION                                 | RAD.     | RADIUS                               |
| EQ.    | EQUAL                                     | REINF.   | REINFORCED                           |
| E.S.   | EACH SIDE                                 | REQ'D    | REQUIRED                             |
| EXIST. | EXISTING                                  | RET.     | RETURN                               |
| EXPAN. | EXPANSION                                 | REV.     | REVERSED                             |
| EXT.   | EXTERIOR                                  | RM.      | ROOM                                 |
| E.W.C. | ELECTRIC WATER COOLER                     | R.O.     | ROUGH OPENING                        |
| F.D.   | FLOOR DRAIN                               | SCHED.   | SCHEDULE                             |
| FDN.   | FOUNDATION                                | SHR.     | SHOWER                               |
| F.E.   | FIRE EXTINGUISHER                         | SHT.     | SHEET                                |
| F.E.C. | FIRE EXTINGUISHER CABINET                 | SM.      | SIMILAR                              |
| F.F.   | FINISH FLOOR                              | SPEC.    | SPECIFICATION                        |
| FIN.   | FINISH                                    | STD.     | STANDARD                             |
| FLR.   | FLOOR                                     | STR.     | STRUCTURAL                           |
| F.L.   | FLOW LINE                                 | SUSP.    | SUSPENDED                            |
| FTG.   | FOOTING                                   | THRU     | THROUGH                              |
| GA.    | GAGE                                      | T.O.     | TOP OF                               |
| GALV.  | GALVANIZED                                | T.O.A.   | TOP OF ASPHALT                       |
| GF=CI  | GOVERNMENT FURNISHED CONTRACTOR INSTALLED | T.O.C.   | TOP OF CURB                          |
| GF=GI  | GOVERNMENT FURNISHED CONTRACTOR INSTALLED | T.O.F.   | TOP OF FOOTING                       |
| G.I.   | GALVANIZED STEEL                          | T.O.S.   | TOP OF SLAB OR SIDEWALK              |
| GND.   | GROUND                                    | T.O.W.   | TOP OF WALL                          |
| GOVT.  | GOVERNMENT                                | TYP.     | TYPICAL                              |
|        |   | VERT.    | VERTICAL                             |
|        |   | VEST.    | VESTIBULE                            |
|        |   | W/       | WITH                                 |
|        |   | WD       | WOOD                                 |

## DESIGN TEAM

### ARCHITECT

P+A ARCHITECTS  
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### DFCM

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P: 801.538.3725  
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Contact: Tim Parkinson

## LIST OF DRAWINGS

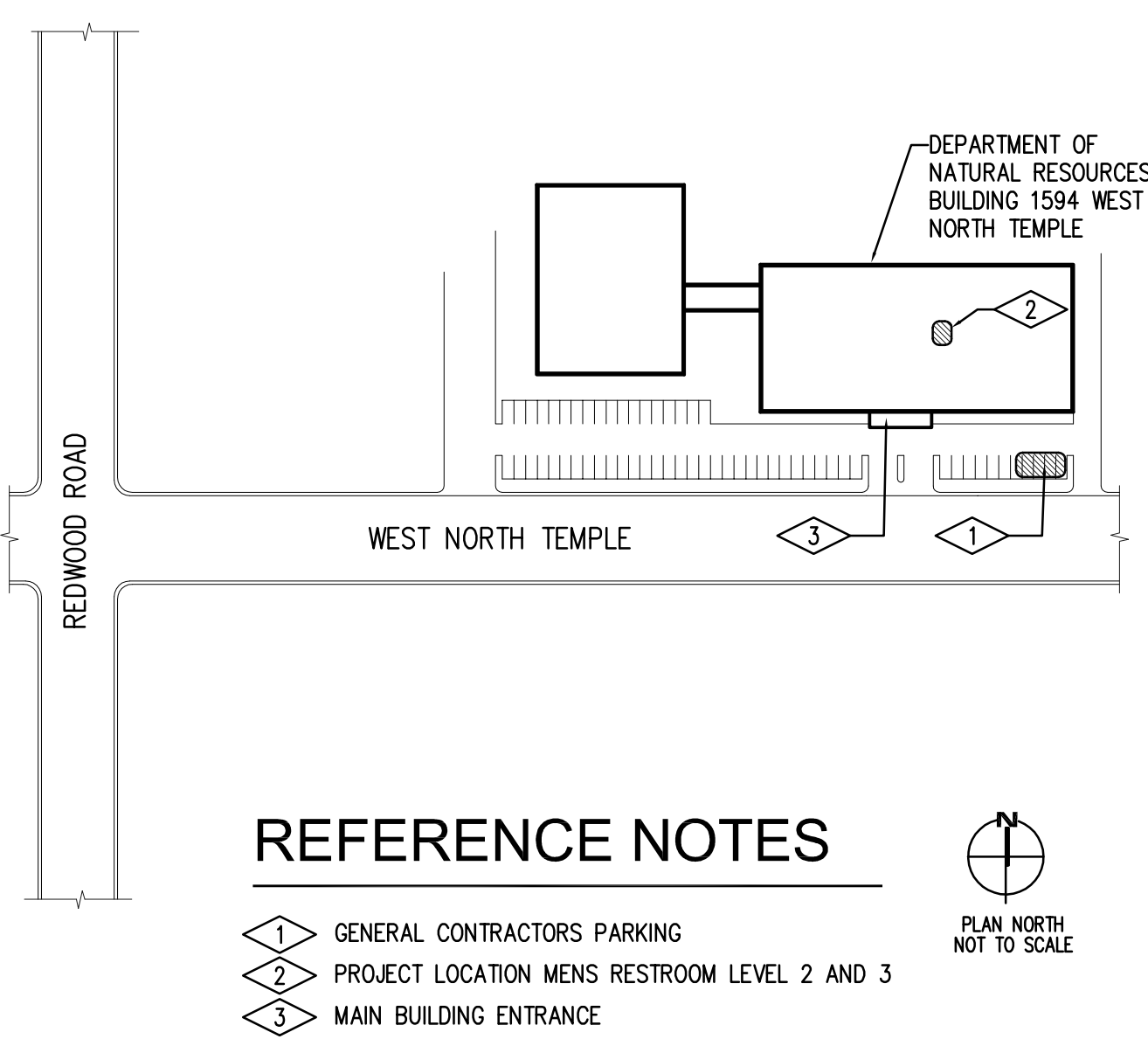
### GENERAL

|         |         |   |
|---------|---------|---|
| 1 OF 03 | A-G1000 | COVER SHEET   |
| 2 OF 03 | A-G1001 | ARCHITECTURAL ABBREVIATIONS, VICINITY MAP AND CODE ANALYSIS |

### ARCHITECTURAL

|         |         |   |
|---------|---------|---|
| 3 OF 03 | A-FP101 | ENLARGED PLAN VIEW, DETAILS AND INTERIOR ELEVATIONS |
|---------|---------|---|

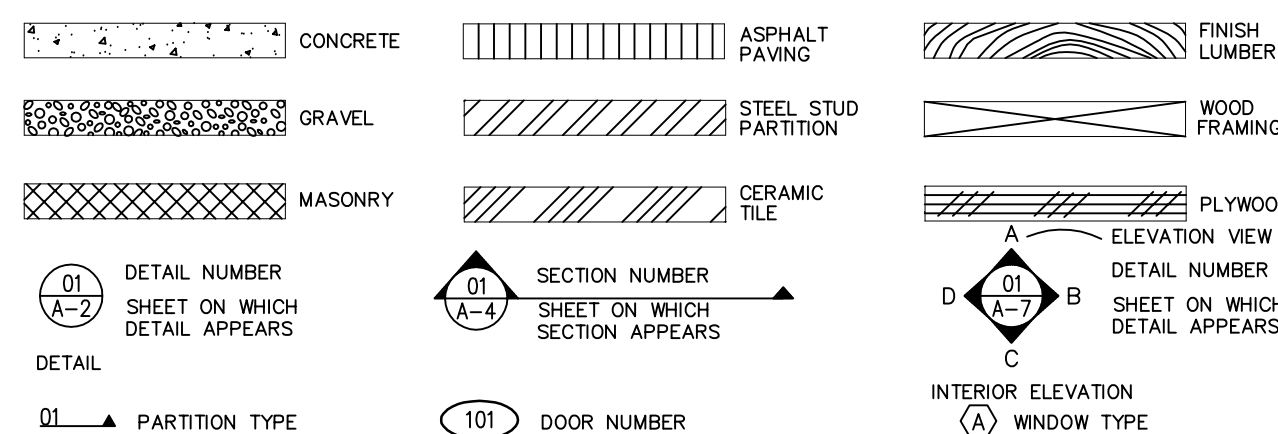
## SITE PLAN



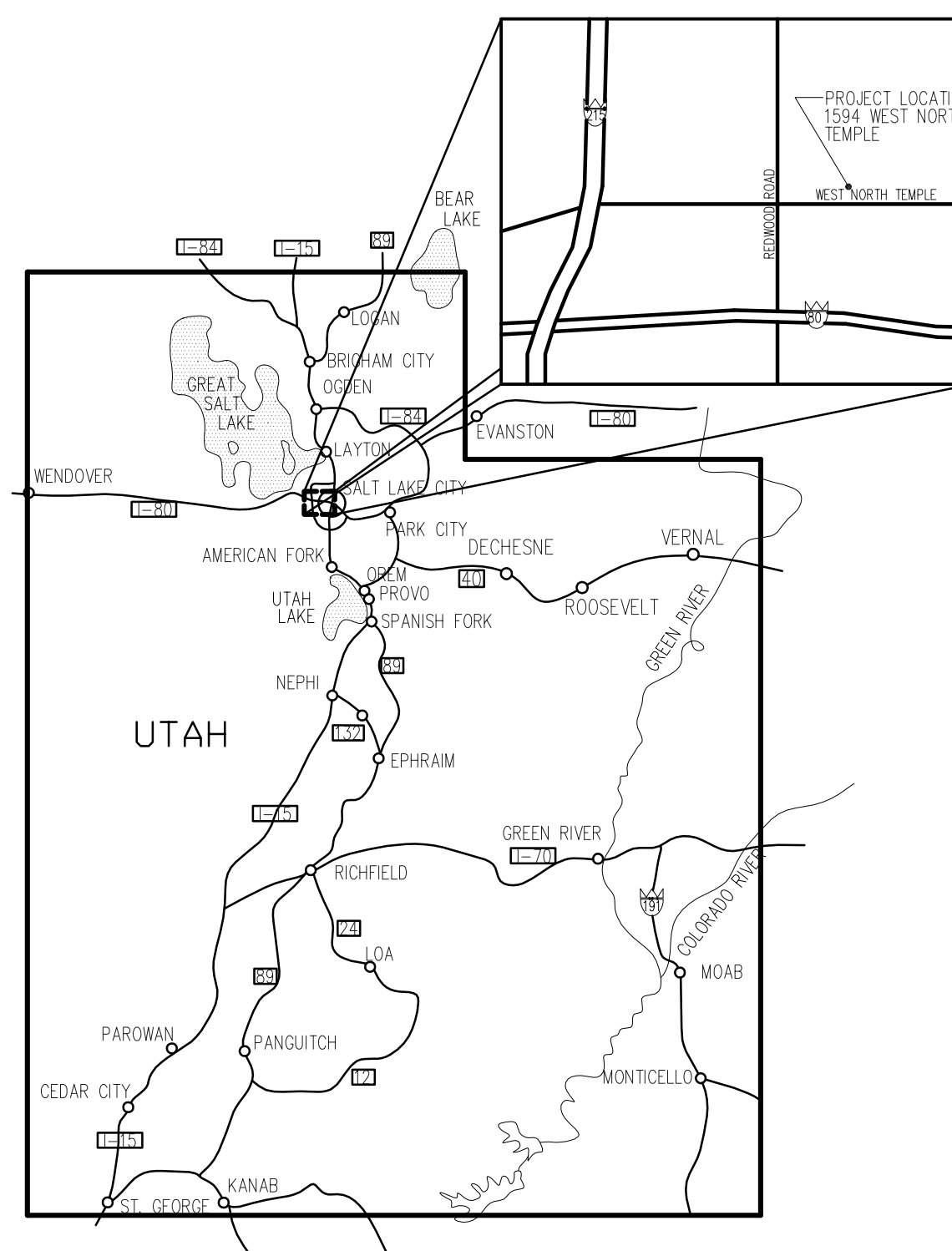
## REFERENCE NOTES

- GENERAL CONTRACTORS PARKING
- PROJECT LOCATION MENS RESTROOM LEVEL 2 AND 3
- MAIN BUILDING ENTRANCE

## GRAPHIC KEY



## VICINITY MAP



## DFCM DESIGN AND CODE CRITERIA

### APPLICABLE CODES

|  | Year |  | Year |
|--|------|--|------|
| International Building Code            | 2006 | National Electrical Code               | 2005 |
| International Mechanical Code          | 2006 | Uniform Code for Building Conservation | N/A  |
| International Plumbing Code            | 2006 | International Fire Code                | 2006 |
| International Energy Conservation Code | N/A  | ADA Accessibility Guidelines           | 2006 |

A. Occupancy and Group: N/A

Change in Use: Yes NO Mixed Occupancy: Yes NO

Special Use and Occupancy (e.g. High Rise, Covered Mall): NO

B. Seismic Design Category: 3 Design Wind Speed: N/A mph

C. Type of Construction (circle one): N/A

I A B II A B III A B IV HT V A B

D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours):

North: N/A South: N/A East: N/A West: N/A

E. Mixed Occupancies: NO Nonseparated Uses: NO

F. Sprinklers: Required: N/A Provided: N/A Type of Sprinkler System: N/A

G. Number of Stories: 3 Building Height: N/A

H. Actual Area per Floor (square feet): N/A

I. Tabular Area: N/A

J. Area Modifications:

a)  $A_a = A_1 + \left[ \frac{A_1 I_f}{100} \right] + \left[ \frac{A_1 I_s}{100} \right]$   $I_f = 100 \left[ \frac{F}{P} - 0.25 \right] \frac{W}{30}$

b) Sum of the Ratio Calculations for Mixed Occupancies:

Actual Area ≤ 1 Allowable Area

c) Total Allowable Area for:

1) One Story: —

2) Two Story:  $A_a(2)$  —

3) Three Story:  $A_a(3)$  —

d) Unlimited Area Building: Yes — No X Code Section: N/A

K. Fire Resistance Rating Requirements for Building Elements (hours).

Element Hours Assembly Listing

Exterior Bearing Walls 0 —

Interior Bearing Walls 0 —

Exterior Non-Bearing Walls 0 —

Structural Frame 0 —

Partitions - Permanent 0 —

Fire Barriers 0 —

Element Hours Assembly Listing

Floors - Ceiling Floors 0 —

Roofs - Ceiling Roofs 0 —

Exterior Doors and Windows 0 —

Shaft Enclosures N/A —

Fire Walls 0 —

Fire Partitions 0 —

Smoke Partitions 0 —

L. Design Occupant Load: XX

Exit Width Required: XX Exit Width Provided: XX

M. Minimum Number of Required Plumbing Facilities:

a) Water Closets - Required (m) XX (f) XX Provided (m) X (f) X

b) Lavatories - Required (m) XX (f) XX Provided (m) X (f) X

c) Bath Tubs or Showers: XX

d) Drinking Fountains: XX Service Sinks: XX

FOOTNOTES:

1) In case of conflict with the U.S. Department of Justice Federal Registers Parts I through X - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.

2) Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:

a) High Rise Requirements.

b) Atriums.

c) Performance Based Criteria.

d) Means or Egress Analysis.

e) Fire Assembly Locator Sheet.

f) Exterior and Interior Accessibility Route.

g) Fire Stopping, Including Tested Design Number.

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SHEET TITLE

## INDEX SHEET

SHEET NUMBER

# A-G1001

SHEET 2 OF 3

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B

A

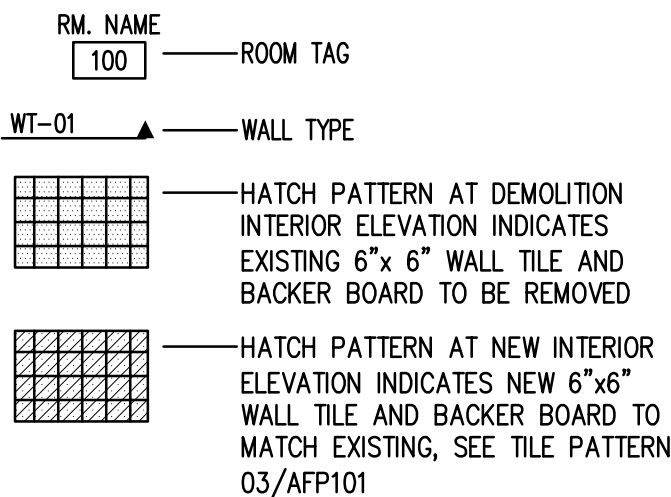
PIPING SYSTEMS

1. COPPER TUBING: ASTM B88, TYPE L
2. CAST IRON SOIL PIPE AND FITTINGS: ASTM A74
3. COPPER FITTINGS: WROUGHT COPPER, ANSI SPECIFICATION B16.22
4. CAST IRON WASTE AND VENT PIPING SHALL BE TY-SEAL NEOPRENE GASKET OR TYLER-NO-HUB WITH HIGH TORQUE CLAMP-ALL STAINLESS STEEL COUPLINGS AND NEOPRENE GASKETS.
5. COPPER PIPING SOLDER 95/5
6. ALL WORK TO MEET CURRENT INTERNATIONAL PLUMBING CODE REQUIREMENTS

GENERAL NOTES

1. GENERAL CONTRACTOR SHALL MAINTAIN VEHICLE ACCESS AT ALL TIMES TO ALL EXISTING BUILDINGS.
2. SEE WALL TYPES FOR WALL ASSEMBLIES.
3. CONTRACTOR TO FIELD VERIFY LOCATION AND PLACEMENT OF ALL FIXTURES AND ACCESSORIES AND COORDINATE WITH A.D.A. REQUIREMENTS
4. UPON COMPLETION OF CONSTRUCTION IT IS THE GENERAL CONTRACTOR RESPONSIBILITY TO THOROUGHLY CLEAN ALL AREAS IN WHICH CONSTRUCTION TOOK PLACE AND AREAS AFFECTED BY THE CONSTRUCTION. THE GENERAL CONTRACTOR SHALL GRADE AND FINISH THE SITE TO CREATE A NATURAL LOOKING LANDSCAPING FINISH
5. RESTROOM ON LEVELS 2 AND 3 ARE TO HAVE WORK PERFORMED AS DESCRIBED IN CONSTRUCTION DOCUMENTS
6. GENERAL CONTRACTOR SHALL MAINTAIN ACCESS AND KEEP ALL RESTROOMS OPERATIONAL DURING CONSTRUCTION
7. GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE AND DISPOSE OF EXISTING COPPER AND CAST IRON PIPING AS NECESSARY TO PREFORM ALL WORK. GENERAL CONTRACTOR SHALL PROVIDE NEW COPPER AND CAST IRON PIPING SAME TYPE AS REMOVED. GENERAL CONTRACTOR SHALL PROVIDE ALL REQUIRED FITTINGS AND TESTING ON PIPING SYSTEM PRIOR TO COVERING WALL
8. MINIMUM DRAINAGE PIPING SLOPE TO BE 1/4" PER FOOT.
9. IT IS THE GENERAL CONTRACTOR RESPONSIBILITY TO STORE MATERIALS AS NOTED TO BE REMOVED AND REINSTALLED IN A SAFE PLACE TO PREVENT DAMAGE TO THOSE ITEMS.

LEGEND

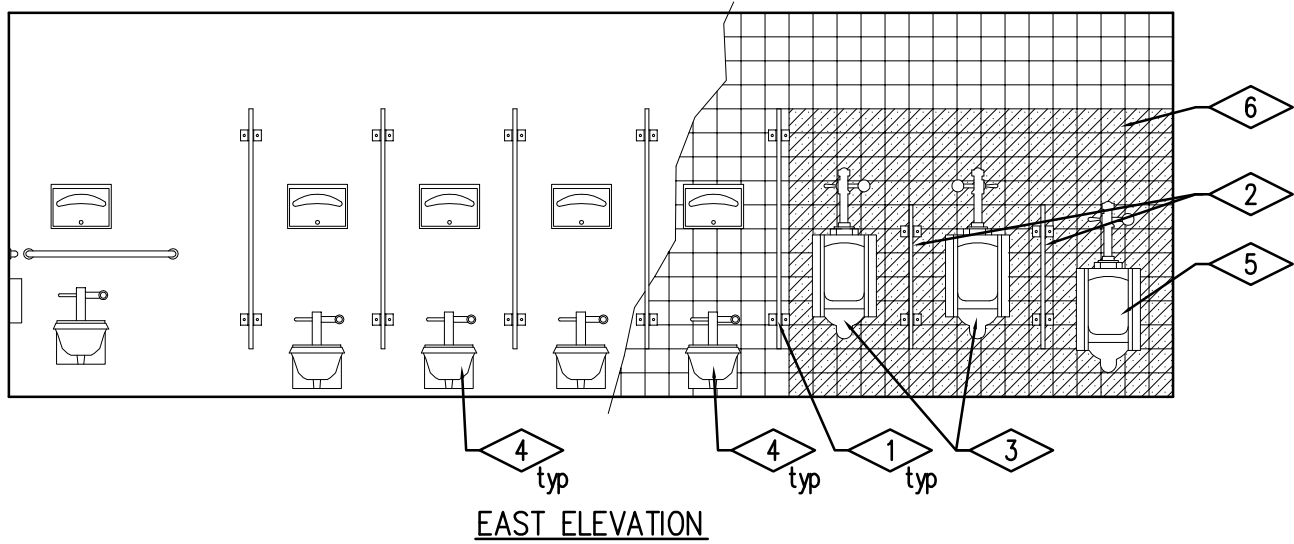


NEW ELEVATION  
REFERENCE NOTES

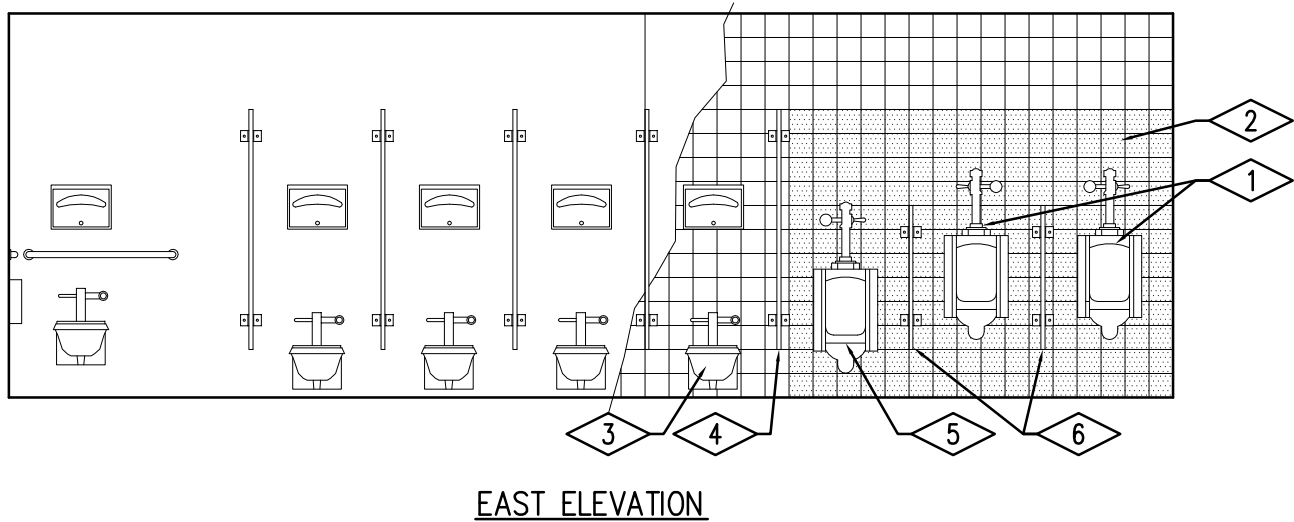
- 1 METAL TOILET PARTITIONS TO REMAIN UNDISTURBED
- 2 GENERAL CONTRACTOR SHALL REINSTALL METAL WALL MOUNTED URINAL PARTITIONS.
- 3 GENERAL CONTRACTOR SHALL REINSTALL WALL MOUNTED URINALS AS SHOWN. RECONNECT FIXTURES FOR PROPER WORKING CONDITIONS
- 4 EXISTING WALL MOUNTED WATER CLOSET TO REMAIN UNDISTURBED
- 5 GENERAL CONTRACTOR SHALL REINSTALL ACCESSIBLE WALL MOUNTED URINALS AS SHOWN. RECONNECT FIXTURE FOR PROPER WORKING CONDITIONS
- 6 HATCH PATTERN AT NEW INTERIOR ELEVATION INDICATES NEW WALL TILE AND BACKER BOARD TO MATCH EXISTING, SEE TILE PATTERN 03/AFP101

DEMO ELEVATION  
REFERENCE NOTES

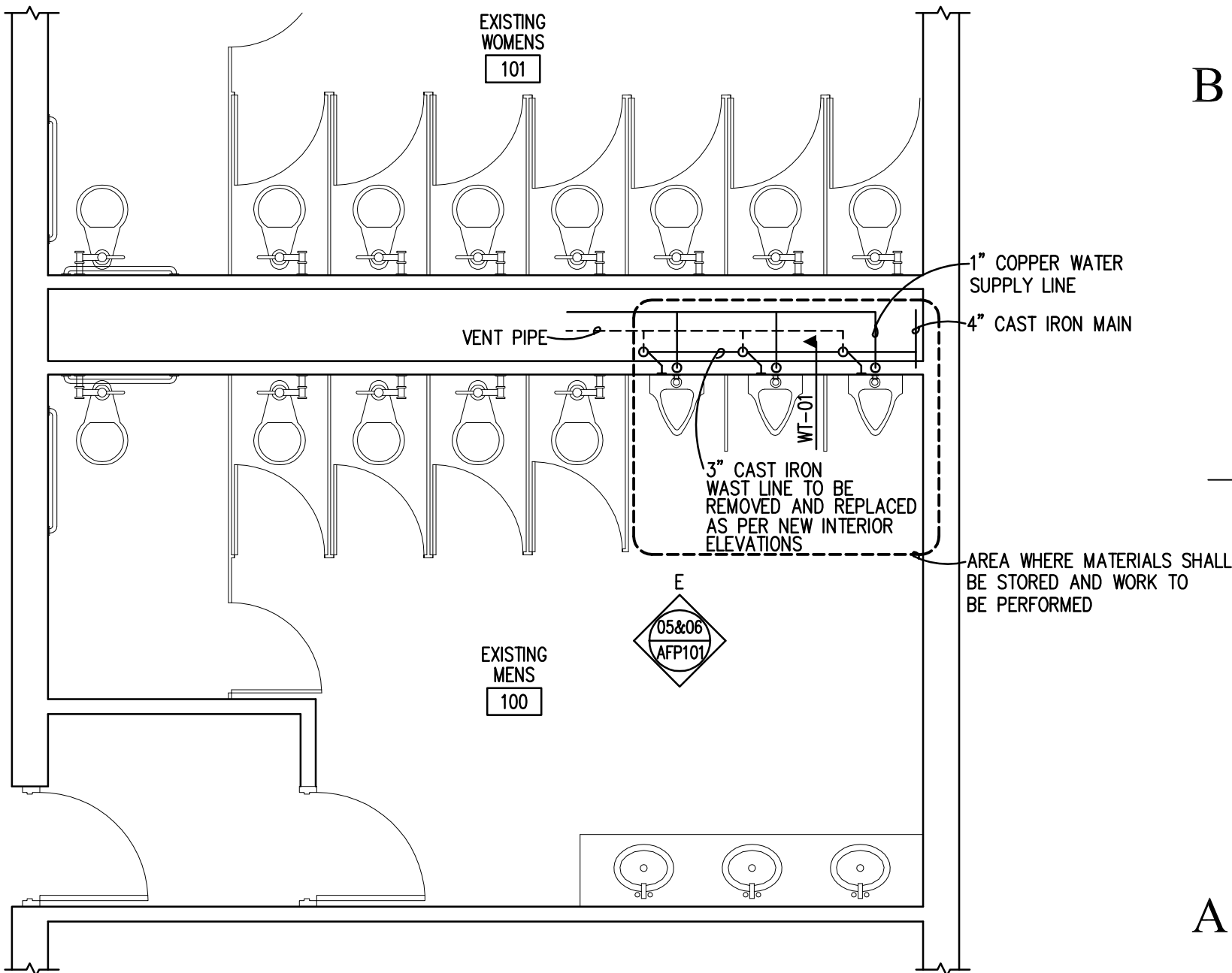
- 1 GENERAL CONTRACTOR SHALL REMOVE EXISTING WALL MOUNTED URINALS AND URINAL HANGERS.
- 2 HATCH PATTERN AT DEMOLITION INTERIOR ELEVATION INDICATES EXISTING 6"x 6" WALL TILE AND BACKER BOARD TO BE REMOVED
- 3 EXISTING WALL MOUNTED WATER CLOSET TO REMAIN UNDISTURBED
- 4 EXISTING METAL TOILET PARTITIONS TO REMAIN UNDISTURBED
- 5 EXISTING ACCESSIBLE WALL MOUNTED URINAL AND URINAL HANGER TO BE REMOVED
- 6 GENERAL CONTRACTOR SHALL REMOVE EXISTING METAL WALL MOUNTED URINAL PARTITIONS.



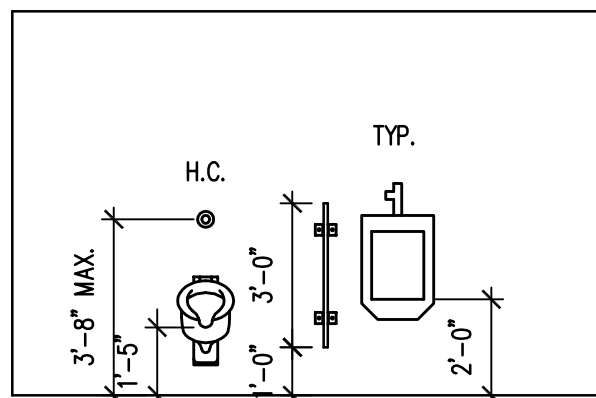
NEW INTERIOR ELEVATION



DEMOLITION INTERIOR ELEVATION

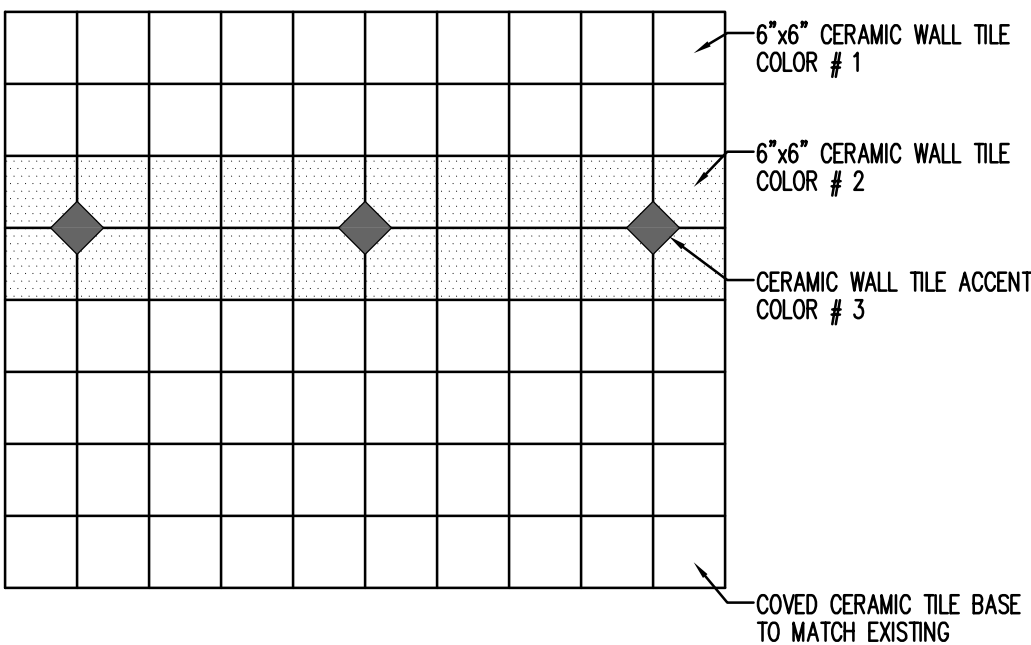


MENS RESTROOM FLOOR PLAN

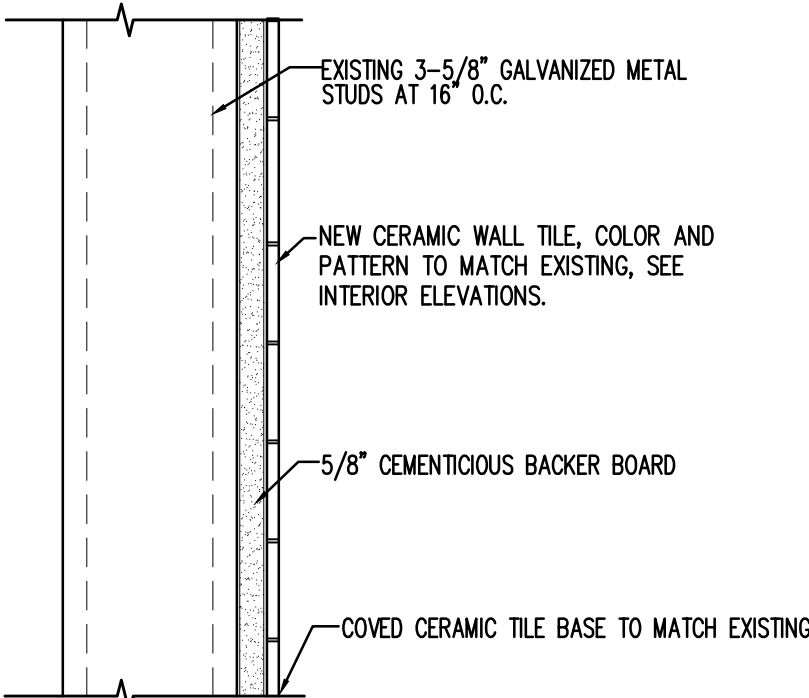


URINALS

FIXTURE MOUNTING HTS.



WALL TILE PATTERN

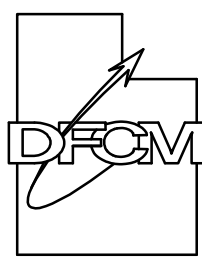


TYPE 01

WALL TYPE

State of Utah

Department of Administrative Services



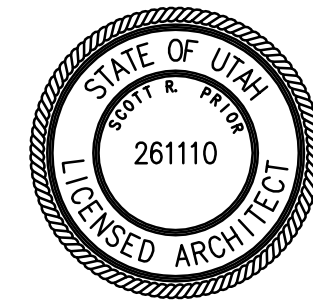
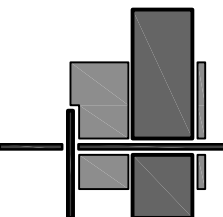
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FLOOR PLAN, DETAILS  
AND  
INTERIOR ELEVATIONS

SHEET NUMBER

A-FP101

SHEET 3 OF 3